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POSITIVE ELECTRODE MATERIAL FOR LITHIUM-ION BATTERY**Abstract of the Disclosure**

A composite lithiated nickel-based positive electrode material in which the water-containing excess lithium compounds LiOH and LiHCO_3 have a combined content of at least 10 times lower than the content of the water-free

5 excess lithium compound Li_2CO_3 . There is further provided a lithium-ion battery comprising the positive electrode material having the significantly reduced amount of LiOH and LiHCO_3 .